



Passenger Terminal Buildings



Aircraft Hangars



Airline Catering



Transport Services



Car Parks



Maintenance Buildings

TRANSFORMING airport environments



Floorzone Solutions for the Airport Sector

WELCOME TO FLOWCRETE - for the world at your feet

Flowcrete's commitment to exceptional design, technical support and advisory services, from initial enquiry through to installation, is at the heart of our business philosophy. Our global success is driven by our commitment to excellence; excellence in products, excellence in service and excellence in people.

With manufacturing plants across Europe, the Americas, Asia and Africa, a global commercial sales support team and the backing of a major multinational manufacturing group, Flowcrete is well placed as the world's leading performance flooring designer and manufacturer to serve clients in their local markets.

Our fully trained and monitored global network of approved flooring contractors ensures that your project is in safe hands with Flowcrete.

TRANSFORMING airport environments

Because airports are gateways to the world's most metropolitan cities, it is essential that they deliver a memorable experience for all users. Flowcrete has undertaken an extensive number of flooring projects at airport buildings worldwide and has more than 35 years experience of supplying world-class systems to all zones across the airport complex.

With high-profile installations at locations including Hong Kong, Kuala Lumpur, Dubai and Abu Dhabi International Airports alongside Jamaica's Norman Manley and Luxembourg's Findel Airports as well as the UK's Gatwick, Stanstead, Heathrow, Manchester and Birmingham International Airports, Flowcrete is recognised as the leading performance flooring manufacturer to service this fast growing sector.

Flowcrete's **Floorzone** concept, which has been designed to deliver a number of key environmental benefits, illustrates how a correctly specified flooring system can help the airport environment to perform sustainably underfoot. To learn more about Flowcrete's **Floorzone** Solution for the airport sector, step inside...



Chek Lap Kok Airport, Hong Kong





Lufthansa Technik, Malta.

STIMULATING - the airport experience

Today our airports have become the hubs of global exchange and contemporary architecture. Their design, layout and even infrastructure takes on board a number of modern requirements including passenger comfort, functionality and environmental sustainability.

To ensure that international travellers take off on a good footing, Flowcrete has designed a number of flooring solutions to meet the specialised needs of demanding airport environments while at the same time minimise their environmental impact on the ground.

Flowcrete's unique **Floorzone** concept consolidates the flooring needs of the entire airport development – building up the surface of the floor from substrate to finish – across a variety of unique zones ranging from the landside multi-storey car park right through to airside aviation hangars.

Available under a single-source responsibility package, Flowcrete's **Floorzone** Solution has been designed to deliver a number of tangible environmental benefits including the use of recycled and reclaimed materials, solvent-free formulations, enhanced thermal, acoustic and light reflectivity performance as well as reductions in labour operations on site.

Combined with excellent aesthetics our systems are backed by comprehensive product warranties, ensuring that Flowcrete floors are built to last.

DELIVERING - the Floorzone package

THE FLOORZONE - A choice of decorative resin floor finishes from Flowcrete combined with a number of sub-floor treatments including fast-drying and self-smoothing Isocrete Floor Screeds.

APPROVED APPLICATORS - A selected team of approved and licensed flooring applicators on site to ensure a flawless finish for your airport project.

TECHNICAL SERVICES - A team of Flowcrete experts are on hand to assist with any technical queries.

VALUE - With flooring systems backed by comprehensive warranties and materials that are proven to stand up to the test of time, Flowcrete can help to reduce life-cycle costs.

ENVIRONMENT - Compared to traditional floor finishes, resin systems and sub-floor treatments from Flowcrete have a low carbon footprint helping to improve the environmental sustainability of the building in which they are used.



Manchester International Airport, UK.



Luxembourg - Findel Airport, Luxembourg.

DELIVERING - performance flooring

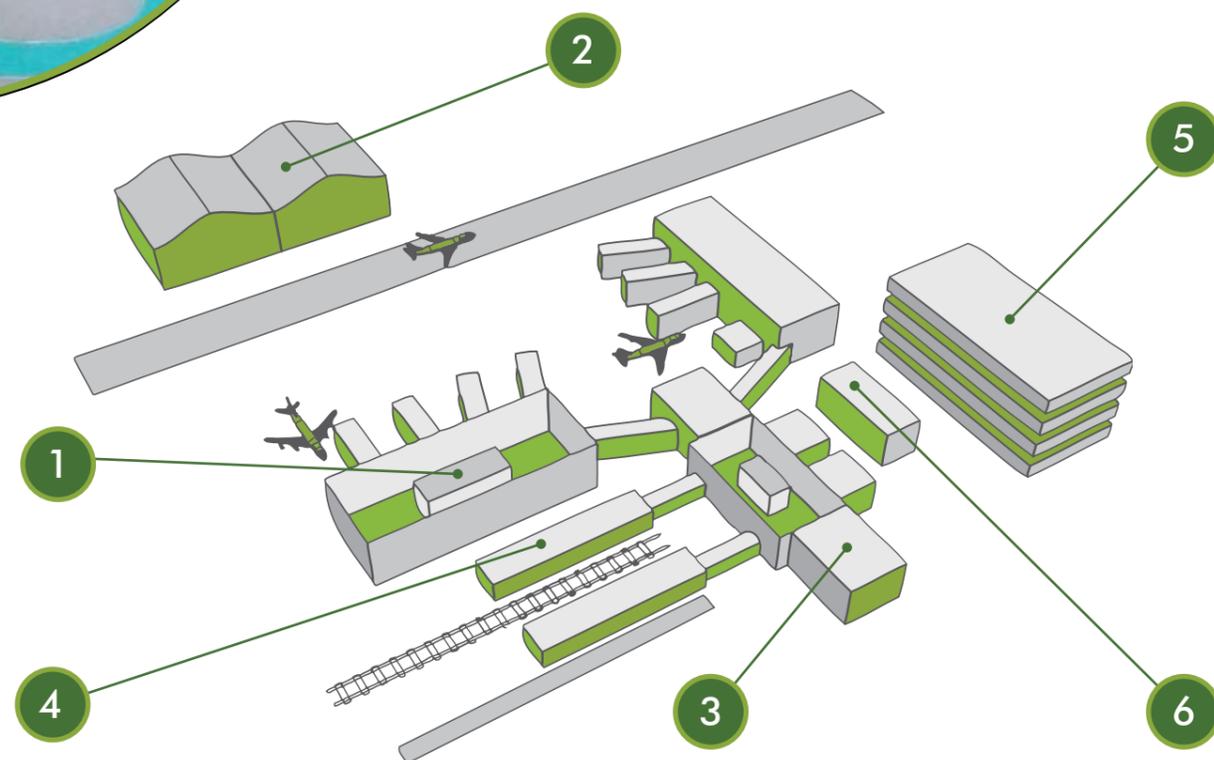


The airport encompasses a number of specialised zones, ranging from passenger terminal buildings, control towers, cargo buildings and aircraft hangars through to fire stations and back-of-house operational and maintenance facilities.

Alongside these buildings are car parks, railway platforms, offices, retail concessions, lounges, catering kitchens and hotels - all of which play a central role in supporting the operations of the airport itself. As a result, any flooring project undertaken within the airport complex should receive comprehensive specification to ensure that the functional needs of the floor have been correctly addressed.

Stylish, safe, sustainable and secure – the benefits of our single-responsibility **Floorzone** Solution make Flowcrete materials an appealing choice for those involved in airport flooring projects.

TRANSFORMING airport environments



Passenger Terminal Buildings

Airport terminal buildings - from flight check-in through to baggage reclaim - require eye-catching floor finishes as well as sub-floor screeds with extreme wear, scratch and abrasion resistance so as to withstand heavy volumes of foot and trolley-wheeled traffic. Resin floor finishes from Flowcrete are not only visually stunning but also low maintenance and hygienic with excellent durability.

- Mondéco Crystal
- Flowfast Terrosso
- Peran SL
- Isocrete K-Screed

Aircraft Hangars

Aircraft hangars are built to protect - a key reason as to why Flowcrete manufactures industrial floor coatings that offer the necessary durability as well as chemical, impact, wear and fire resistance requirements of back-of-house hangar facilities. In particular, Flowcoat SK, a system uniquely tailored to withstand the corrosive effects of Skydrol aviation fluid and ensure safety underfoot with an adjustable anti-slip profile.

- Flowcoat SK
- Flowcoat TL
- Flowcoat SF41

Airline Catering

Airline catering kitchens are responsible for producing hundreds of fresh in-flight meals each day. With time of the essence, demanding catering companies require hygienic flooring solutions such as Flowfresh, a system that incorporates a natural silver-ion based antimicrobial technology, Polygiene®, to destroy any bacteria, including E-coli and Salmonella, that settles on the surface of the floor.

- Flowfresh HF
- Flowfresh MF

Transport Services

Railway platforms, bus terminals, shuttle stops and underground metro stations all require wear resistant flooring systems that create a welcoming platform underfoot for air passengers travelling to and from the terminal building. Flowcrete's Mondéco seamless terrazzo range is ideal to service the needs of these busy environments, delivering a seamless surface that is built to last.

- Mondéco Crystal
- Mondéco Classic
- Mondéco Exotic

Car Parks

For most the car park is where the airport experience begins and ends. Deckshield waterproof car park decking from Flowcrete not only visually improves the appearance of car parks but also protects and waterproofs the structure. Deckshield comes with a highly accredited fire rating, boasts excellent durability and wear resistance and is available in a decorative range of welcoming colours.

- Deckshield ED
- Deckshield ID

Maintenance Buildings

Maintenance buildings play a big role in keeping the airport's operations moving. Flowcrete offers a number of industrial floor coatings and systems suitable for use in back-of-house maintenance areas that are able to meet a host of performance criteria including high mechanical, chemical and impact resistance as well as being easily-cleaned and maintained.

- Flowfast Quartz
- Flowshield Quartz
- Peran STB

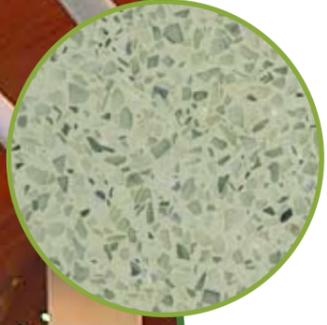
The Floorzone Solution

Kuala Lumpur Airport, Malaysia.

Airbus, UK.

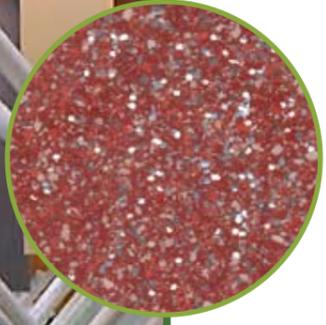
Mondéco

Mondéco is a solvent-free and durable seamless terrazzo system containing recycled mirror glass, pearl and marble aggregates. Available in a range of sparkling colours Mondéco is the attractive choice for terminal concourses subject to high volumes of foot traffic.



Flowfast

Flowfast is a seamless acrylic flooring system with an attractive decorative finish. Available in a creative blend of colours, Flowfast has been designed to enable fast track installation and is therefore able to significantly reduce construction programs in airport developments.



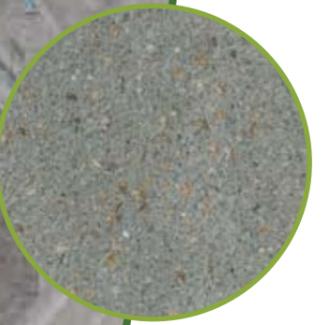
Peran STB

Peran STB is a hard wearing commercial resin system made up of colourful quartz granules. Available in a gloss or matt finish, Peran STB delivers excellent scratch, wear and abrasion resistance to areas within the terminal building subject to high volumes of foot and trolley-wheeled traffic.



Isocrete K-Screed

Hidden from sight, Isocrete K-Screed is a semi-dry cementitious floor screed that delivers the strength needed to floor high traffic airport environments. Containing proprietary additives that enable fast track installation, Isocrete K-Screed can be overlaid with a host of floor finishes including vinyl, carpet, tiles or resin.



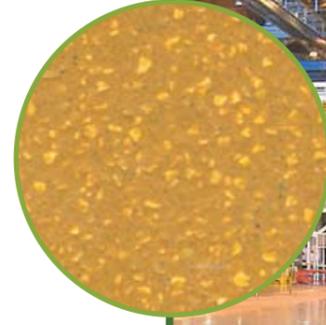
Flowcoat SK

Flowcoat SK is a solvent-free resin floor coating used primarily to service the aviation industry. With impressive resistance to the corrosive effects of Skydrol hydraulic fluid, Flowcoat SK reaches new heights in protective floor coatings for hangar environments.



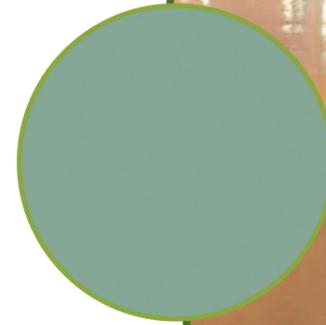
Flowfresh

Containing Polygiene®, a natural silver-ion based antimicrobial which controls the bacterial population at floor level, Flowfresh represents a new generation of hygienic flooring. Suitable for use in wet and dry kitchen environments Flowfresh is ideal for on-site catering kitchens.



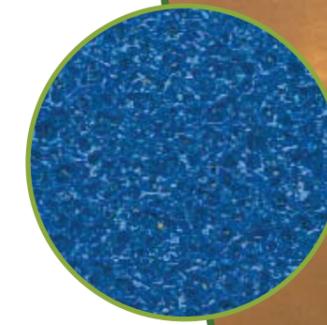
Flowcoat SF41

Flowcoat SF41 is a hard wearing, solvent-free epoxy resin floor coating suitable for use in aggressive airport zones. Available in a bright range of colourful finishes and with an adjustable anti-slip profile, Flowcoat SF41 is ideal to brighten up airport maintenance buildings, service corridors or plant rooms.



Deckshield

Deckshield is a waterproof, UV stable and solvent-free traffic coating designed for use on exposed and intermediate decks of multi-storey parking structures. Deckshield has excellent crack-bridging properties and reduces noise from tyre squeal to deliver a safe environment for visitors to the airport site.



Decorative Flooring

Functional Flooring



ENVIRONMENTAL - protection

The Flowcrete Group is committed to developing our operations in a sustainable manner and has a holistic approach to producing environmentally friendly flooring materials and using our planet's resources responsibly. Flowcrete resins are formulated and produced under the strict environmental standards of ISO 14001 and significant point enhancements can be obtained under the LEED® (U.S. Green Building Council) programme by utilising Flowcrete products. Our Floorzone concept has been designed with sustainability in mind and offers a number of key environmental benefits:

Air Quality

Flowcrete's flooring systems meet high environmental standards with low percentage emissions of volatile organic compounds (VOC's), particularly when compared to traditional tile, vinyl, paint or carpet floor finishes.

Acoustic Insulation

Flowcrete's latest innovation, Isocrete Acoustic K, a sub-floor soundproofing system that complies with Approved Document E of the 2003 Building Regulations, reduces noise levels in multi-storey spaces and absorbs sound generated from foot traffic to ensure peace of mind.

Energy Efficiency

Flowcrete's Isowarm Under Floor Heating ensures thermal comfort integrity by delivering invisible and controllable heat underfoot combined with possible energy savings of up to 20% when compared to traditional heating systems such as radiators or air conditioning.

Recycled Materials

Flowcrete has reintroduced a number of recycled products from heavy industry waste streams back into its manufacturing processes including pulverised fuel ash (PFA), ground granulated blast furnace slag (ggbs), recycled glass aggregates and even mirror glass - all in an effort toward producing cradle-to-cradle flooring solutions.

Light Reflectivity

Flowcrete's seamless terrazzo range, Mondéco, contains recycled crystal mirror-glass aggregates and has been designed to reduce the need for artificial strip and spotlighting through inbuilt light reflectivity properties. Flowcrete's Deckshield waterproof decking systems offer similar reflectivity advantages to those provided by asphalt when used in multi-storey car park structures.

Packaging Waste

Where possible Flowcrete supplies materials in bulk using re-usable UN Certified Intermediate Bulk Containers (IBC's) or recyclable drum containers, in preference to small packed systems, in order to reduce the quantity of non-reusable packaging and waste resulting from our flooring operations.

Flowcrete recognises that adopting a sustainable approach across all aspects of our operations throughout the world is the only way to truly improve its contribution to a sustainable world. By doing so, Flowcrete's role in environmental protection, social advancement and economic prosperity will be significant and tangible.

Air Asia, Hong Kong



Dubai International Airport, UAE.

A selection of specialist systems - including screeds, car park decking, hygienic and fast-track floors - have helped the new Terminal 3 development at Dubai International Airport take off in style. Isocrete K-Screed has been used in the multi-storey parking facilities to eliminate problems of cracking, curling or debonding. For the final deck coating, some 110,000m² of Flowcrete's Deckshield system was installed on all five levels, including the top deck.

A further 260,000m² of Deckshield has also been installed in service road ways underneath the Terminal Complex, the baggage handling areas and all plant rooms alongside some 40,000m² of Isocrete K-Screed beneath the tiles in the Passenger Departures Hall. For the kitchen facilities, Flowcrete provided its durable, hygienic and easily-cleaned Flowfresh system. Flowfast Quartz was also installed in the cold storage area.



Luxembourg-Findel Airport, Luxembourg.

Luxembourg-Findel Airport has received the Deckshield treatment in the underground car park servicing its new terminal building. Designed to offer a number of passenger benefits, the new parking facility boasts enhanced comfort, shorter under-cover routes into the terminal building as well as a reduced need for artificial light on account of improved Green design.

A massive 120,000m² of Flowcrete's protective car park coating, Deckshield ED, has been installed across four levels of the facility, creating a stylish first impression for visitors. Deckshield ED has been applied in mid grey, with Deckshield Linemarker in white, yellow and blue to create colourful demarcation lines and informative signage. Deckshield is a solvent-free polyurethane coating system that emits low levels of volatile organic compounds (VOC's) and boasts excellent crack-bridging properties as well as impact, chemical and shock resistance.



Manchester International Airport, UK.

Flowcrete's innovative Flowfast Terrosso has been applied in just one weekend at Manchester International Airport's Terminal 1 development. The unique qualities of Flowfast Terrosso mean the floor's stylish design and appeal withstands the high volumes of foot traffic from some 15,000 passengers each day. Utilising the latest in resin technology, Flowfast Terrosso stands up to all the demands associated with floors for public spaces.

A special design has been created for the area, with an eye-catching blend of blues, silvers and even glitter built into the mix with reflective qualities to help lift illumination levels within the building. In most cases, Flowfast is ready to use just two hours after application, allowing other works to continue with minimal disruption. This seamless floor offers good slip-resistance and can withstand thermal shocks and impact and is much easier to clean and maintain than tiles. These qualities, coupled with its decorative style make it the ideal choice when a floor needs to be installed quickly.





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